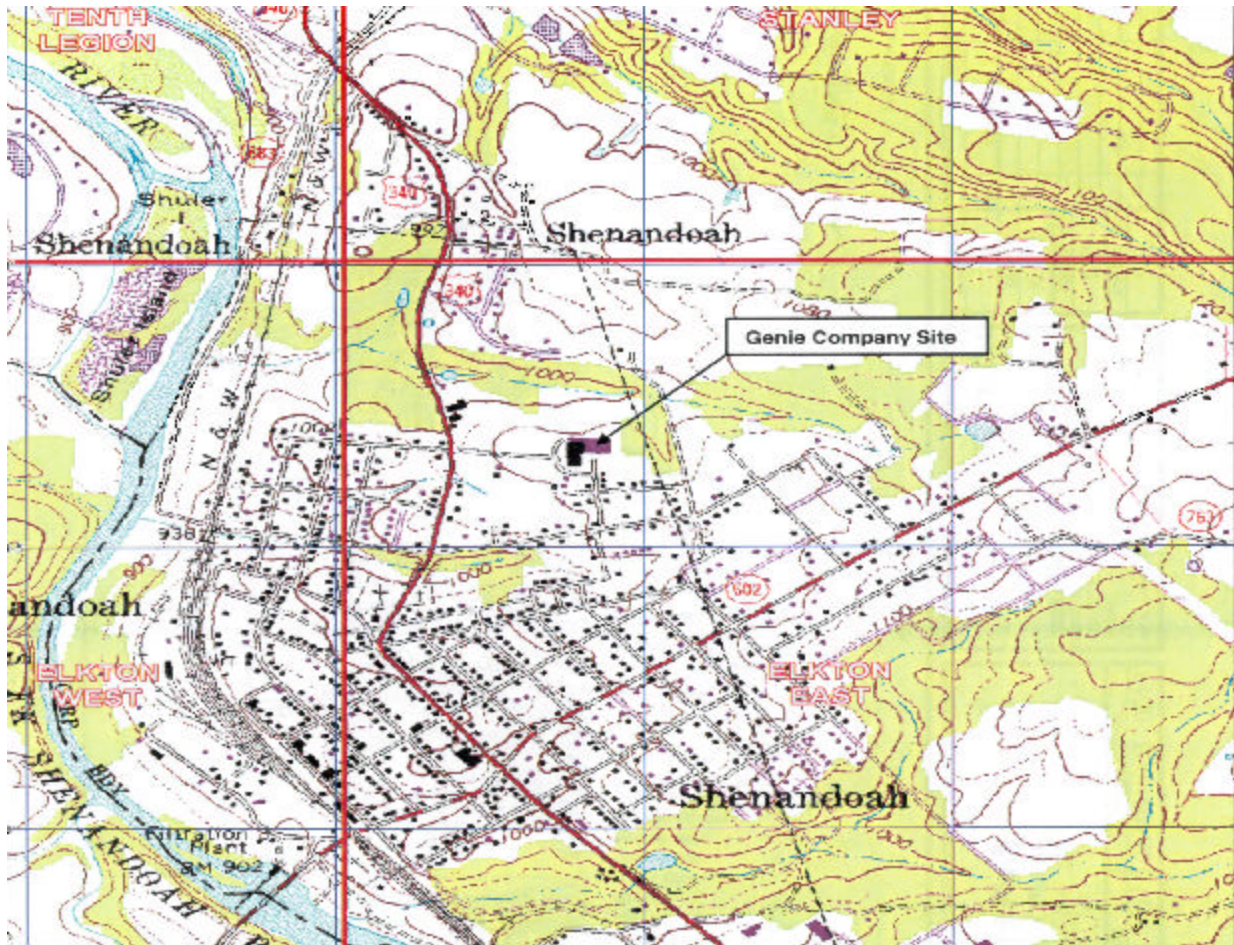


Region 3 GPRA Baseline RCRA Corrective Action Facility

Genie Manufacturing Facility

611 Williams Avenue
Shenandoah, VA 22849
Congressional District 6
EPA ID #: VAD000019620
Last Updated: 01/08/2009



Current RCRA CA Activities

The Virginia Department of Environmental Quality (DEQ) is the lead agency for oversight of Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) work at the Genie Manufacturing facility located in Shenandoah, VA. The CA investigations and any necessary clean up activities at the

facility are being implemented under the U.S. Environmental Protection Agency's (EPA) Facility Lead Corrective Action Program and a DEQ Consent Order, dated May 12, 2001. Philips Electronics North America Corporation (PENAC), who owned and operated the facility from 1965 through 1990, will continue to manage the ongoing CA activities.

Environmental related investigative work has been ongoing at the Genie Manufacturing facility since 1990 and has included the completion of site geophysics, soil gas surveys, test soil borings, installation and sampling of groundwater monitoring wells, and offsite domestic well sampling. As part of the Consent Order, PENAC completed an initial Phase I Remedial Investigation (RI) and submitted the results of that investigation to the DEQ in November 2004. Based on the results of the Phase I RI and discussions with the DEQ, it was determined that additional investigation was required. The DEQ received a Supplemental RI Work Plan from PENAC on January 25, 2005.

RI activities were conducted to determine the nature and extent of soil and groundwater contamination which have resulted from previous operations at the facility. Based on the results of the investigations PENAC determined that there are three areas of concern (AOCs) at the facility; 1) the drywell/septic field area, 2) the former diesel fuel UST area, and 3) the KVK loading dock. The drywell/septic field area and KVK loading dock are the primary suspect source areas for trichloroethylene (TCE) contamination. There are currently 78 groundwater monitoring wells at the site and site vicinity. The monitoring well network is composed of 45 shallow wells, 13 intermediate wells (deep overburden), and 20 bedrock wells.

By Letter of Commitment, dated June 14, 2007, PENAC notified the EPA and the DEQ of its agreement to participate in the EPA Facility Lead Corrective Action Program.

On October 9, 2007, the Department received a Corrective Measures Evaluation Report for the Drywell Soil Source Area (OU-1). The report presented a technical discussion and evaluation of management strategies for the subsurface soil and shallow groundwater that were adversely impacted by TCE from the former manufacturing operations at the site. The report also summarized the field pilot testing results and findings to support the corrective measure alternatives evaluation for the site.

On June 26, 2008, the DEQ received a Community Relations Plan (CRP), dated June 2008. On October 24, 2008, the DEQ sent the facility an e-mail with the DEQ's review comments associated with the submitted CRP. The facility was requested to resubmit a revised CRP to address the DEQ's comments.

On August 4, 2008, the DEQ received a Corrective Measures Work Plan (CMWP) for In-Situ Electrical Resistive Heating (ERH) for the Drywell Soil Source Area (OU-1). ENSR Corporation submitted the CMWP, on behalf of PENAC, to detail the selected corrective measure for TCE found in the soil source area around OU-1.

The DEQ reviewed the CMWP and issued a conditional approval of the CMWP, as submitted, for thermal treatment as the active remedy for OU-1, by DEQ correspondence, dated November 10, 2008. The CMWP was conditionally approved as an interim measure (IM) and it was indicated that implementation of an IMs may achieve the final remedial goals; however, a public notice of a tentative determination and solicitation of public comments is required prior to the EPA making a final determination regarding corrective action remedies at a facility. As conditions of approval, the DEQ required that additional detailed information be provided prior to the implementation of the selected IM remedy for the soil source area. A Final CMWP and System Design is to be submitted, which addresses the DEQ's general and detailed comments in the DEQ's correspondence and enclosures, dated November 10, 2008. The Final IMWP and System Design submittal is also to include the following: 1) Operations and Maintenance Plan (O&MP), 2) a Sampling and Analysis Plan (SAP) with Quality Assurance Project Plan (QAPP), 3) a site specific Health and Safety Plan (H&SP), and 4) a Community Relations Plan (CRP). The above documents will be reviewed and approved by the DEQ prior to construction and start-up of the chosen IM remedy.

PENAC is currently working on providing the document submittals to address the conditions of approval of the DEQ correspondence, dated November 10, 2008. .

Semi-annual groundwater monitoring is conducted at the site and site vicinity. In addition, PENAC conducts routine quarterly homeowner well sampling and submits the Notice of Well Sampling Results to home owners in the area and to the DEQ.

Site Description

The Genie Manufacturing facility, located at 611 Williams Avenue, Shenandoah, Page County, Virginia was formerly owned and operated by PENAC. The facility is now operating under new ownership, GMI Holdings Inc., with current operations by The Genie Company / Overhead Door Corporation, a subsidiary of Sanwa Shutter Corporation. The Genie property encompasses approximately 13 acres, of which approximately 30% is covered with buildings.

PENAC is continuing to manage CA activities in accordance with the EPA, Region III Facility Lead Program and DEQ Consent Order, dated May 12, 2001. As part of the CO and Facility Lead CA Program, PENAC is conducting an evaluation to determine the nature and extent of release of hazardous constituents from its former operations at the Genie Manufacturing facility. Also associated with the investigation, is an adjacent property where hazardous materials were handled, known as the KVK Property.

The facility has historically been used for the manufacturing of small electronic components and currently makes parts and control components for automated garage-door openers. The Genie Company first occupied the property in 1960, before which the land was used as a knitting mill and earlier, farmland. It was owned by PENAC from 1965 through 1990.

RCRA CA Milestones

To date the following RCRA CA milestones have been completed at this facility:

- By Letter of Commitment dated June 14, 2007, PENAC notified EPA and DEQ of its willingness to participate in the EPA Facility Lead Program.
- On August 4, 2008, the DEQ received a Corrective Measures Work Plan (CMWP) for In-Situ Electrical Resistive Heating at OU-1. The DEQ reviewed the CMWP and issued a conditional approval on November 10, 2008 of the CMWP, as submitted, and thermal treatment as the active remedy for Drywell Soil Source Area (OU-1). The DEQ requested that additional detailed information and revised work plans and system design information be submitted for approval prior to the implementation of the IM remedy. PENAC is currently working on providing the document submittals to address the conditions of approval of the DEQ correspondence, dated November 10, 2008.

Environmental Indicator Status

Under the Government Performance and Results Act (GPRA), EPA has set national goals to address high priority RCRA Corrective Action facilities by the year 2008, and medium and low priority RCRA Corrective Action facilities by the year 2020. EPA is evaluating two key Environmental Indicators (EIs) for each facility: Current Human Exposures Under Control and Migration of Contaminated Groundwater Under Control. This facility is one of EPA Region III's medium/low priority facilities and falls under this GPRA initiative.

The DEQ's current evaluation of EIs for the Genie Manufacturing facility is as follows:

- *Human Exposures Controlled Determination:* To date the Human Exposures Controlled Determination has not been made.
- *Release to Groundwater Controlled Determination:* To date the Release to Groundwater Controlled Determination has not been made.

Contaminants

The primary contaminants of concern (COCs) based on past operations is trichloroethylene (TCE), with lesser concentrations of TCE daughter products and BTEX (benzene, toluene, ethyl benzene, and

xylene).

Institutional Controls

The ongoing CA work at the Genie Manufacturing facility and on certain surrounding properties is being conducted and financed by PENAC to satisfy the requirements of a Consent Order, dated May 12, 2001, entered into with the DEQ.

Community Involvement

Citizens' questions and concerns may be directed to the contact below. Also, the Administrative Record which contains all documents and information regarding the RCRA CA program for this facility are available for public review at the following location(s):

Virginia Department of Environmental Quality
629 East Main Street
Richmond, Virginia 23219
Phone: (804) 698-4026
Contact: Matthew M. Stepien

Virginia Department of Environmental Quality
Valley Regional Office
4411 Early Road
Harrisonburg, VA 22801
Phone: (540) 574-7800
Contact: Jed Pascarella

The DEQ also maintains a facility mailing list that is used to inform the public of substantial issues and permit administrative actions regarding the facility.

Government Contacts

The Commonwealth of Virginia DEQ is the lead CA authority for this project. Please contact the DEQ project manager listed below for details on this project or the contents of this fact sheet.

DEQ Project Manager

Mr. Matthew M. Stepien
Virginia Department of Environmental Quality

629 East Main Street
P.O. Box 1105
Richmond, VA 23218
Phone: (804) 698-4026
Fax: (804) 698-4234
Email: mmstepien@deq.virginia.gov

EPA Project Manager

Mr. Denis Zielinski – 3LC20
U.S. Environmental Protection Agency – Region III
1650 Arch Street
Philadelphia, PA 19103-2029
Phone: (215) 814-3431
Email: zielinski.denis@epa.gov

For more information about EPA's corrective action program, including Environmental Indicators, please visit EPA's web site at: www.epa.gov/reg3wcmd/correctiveaction.htm.

Facility Contact

The PENAC contact as listed in the Facility Lead Agreement is:

Mr. Jesse Overgord
American Color & Chemical, LLC
#1 Mount Vernon Street
PO Box 88
Lock Haven, PA 17745
Email: jovergor@kcnet.org

Fact Sheet Update

The next fact sheet update is scheduled for July 2009. Previous fact sheets may be obtained through the listed DEQ contact.